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[ They fixed the double-spacing; now if only they'll stop SHOUTING ...
  And it is totally my fault that this is late - my apologies ]


[ ANARTS - Australian National Amateur Radio Teletype Society ]

ANARTS News Bulletin 912  9th JUNE 1996

COLS COLUMN.
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FIRST OF ALL THIS WEEK A QUICK REMINDER THAT THE ANARTS WORLD WIDE
CONTEST IS ON THIS WEEKEND. DON'T SWITCH OFF AFTER THE CAST, CHECK
TO SEE IF ANYONE IS CALLING CQ CONTEST ON THE BAND AND GIVE THEM A
CALL. AND DON'T FORGET THAT OVERSEAS STATIONS GET BONUS POINTS FOR
WORKING A VK STATION. LETS SHOW THEM WHAT VK-LAND CAN DO.

IN THE MEANTIME I THOUGHT YOU MIGHT BE INTERESTED IN THE FOLLOW PACTOR
BBS STATIONS IN AND AROUND OUR REGION.

SOFTWARE USED :  (G) = GPLX, (M) = MSYS, (W) = WINLINK, (O) = OTHER
TYPE OF ANTENNA: (B) = BEAM, (V) = OMNI DIRECTIONAL/VERTICAL
(GT) = G-TOR ON SAME FREQUENCY  (P2) = PACTOR-2 ON SAME FREQUENCY

JA5TX.JPN.AS   - MITSUO - 14071 14072 14074 14076 14078  - (B)(G)

VK2AGE.?NE.NSW.AUS.OC - GORDON - LISMORE  100231.3264(AT)COMPUSERVE.CO
M7045 10109 14075 14077 21076 - (W)
(B) NA 2330-0600 1030-1130  AF 0600-0800
AS/EU 0800-0900 (LP) 0900-1030 1130-1300 1330-2330

VK2DW.NSW.AUS.OC - DON - 2200-1200: 14068 - DIPOLE (W)

VK2OG.NSW.AUS.OC - PETER - SYDNEY - 0800-2000: 14069 - (B) EU - (W)

VK3WZ.MEL.VIC.AUS.OC - JOHN -  MELBOURNE - 2200-1100: 14071 (B) EU
(W)

VK5RQ.SA.AUS.OC - 14073 - (V)(M)
VK6TN.WA.AUS.OC - ERNIE - NR PERTH - (W)
14070 14071 14073 14075 14077 14080 14081 21071 21079
(B)0100-0300: E AUS/NZL, 0330-0900: AF/MDLE, 0900-1000 FAR EAST
1000-2400: AS/EU

YB5QZ.PKU.IDN.OC - ANTON - PEKANBARU - (M) OPERATION ERRATIC
1200-1600: 14073 (G) BEAM W - (1600-1200: 21105 PSK 1200 BD)

YB7ZA.TIM.PNK.IDN.OC - GANIS - PONTIANAK - 1500-1700: 14071.5

YC0HYO.JKT.IDN.OC - BAMBANG - 1200-1600: 7030

YC7GNS.TIM.PNK.IDN.OC - GANIS - PONTIANAK - 1200-2400: 7030

ZL4AK.MGA.NZL.OC - BILL - 0500-2100:  (B)(W)
3535 3537 3539 7028.3 7028.77 7029.5 7044.98
10109 10111 10115 10120 10127 10128 10132 10133 10134 10135

ZS5S.ZAF.AF  - JOOST - NR DURBAN - (X) ZS5S(AT)AFRICA.COM - (W)
7036 7037  14069 14073 14118  21069 21073
(B) AF/EU: 0500-0700 0800-1200 1500-1800
OC       : 0400-0500 0700-0800

ZS6KM.TVL.ZAF.AF - MARIO - PRETORIA - 14075 (NIGHT) 21075.5 (DAY)
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- (B)(W)

MY THANKS TO ZS5S FOR SUPPLY ABOVE INFO. PSE REMEMBER THERE ISA HASH SIGN AFTER THE CALLSIGN FULL STOP EG ZL4AK.(HASH)MGA.NZAL.OC

G-TOR!!!WHAT'S THAT. DE VK2BOD

PART 2

WITH HUFFMAN,CERTAIN LETTERS ARE ASSIGNED A CODE SHORTER THAN THE ORIGINAL 8-BIT ASCII CHARACTER. AT TIMES,HOWEVER,HUFFMAN COMPRESSION MAY PRODUCE MORE BITS THAN THE ORIGINAL MESSAGE,SO G-TOR IS DESIGNED TO USE HUFFMAN ENCODING "ON DEMAND"-ONLY WHEN THE COMPRESSION ACTUALLY REDUCES THE TOTAL NUMBER OF BITS.RUN-LENGHT ENCODING FUNCTIONS SIMILARLY, BUT ASSIGNS A SINGLE CODE TO THOSE CHARACTERS WHICH HAVE BEEN REPEATED THROUGH THESE TWO COMPRESSION METHODS, THE AVERAGE NUMBER OF BITS FOR A MESSAGE IS REDUCED,OFTEN AS MUCH AS 30 OR 40 .

DURING TRANSMISSION,G-TOR AUTOMATICALLY OPERATES AT ONE OF THREE BAUD RATES,300,200, OR 100,WHICHEVER IS OPTIMAL GIVEN THE QUALITY OF THE LINK. THE G-TOR PROTOCOL ADJUSTS THE BAUD RATE TO ENSURE MAXIMUM TROUGH-PUT REGARDLESS OF BAND CONDITIONS.INITIALLY,DATA TRANSFER OCCURS AT 100 BAUD, BUT IF TRANSFER PROCEEDS SMOOTHLY, THE BAUD RATE INCREASES TO 300.IN THE EVENT OF PERSISTENT INTERFERENCE OR POOR BAND CONDITIONS, G-TOR WILL AUTOMATICALLY ADJUST TO 200 OR 100 BAUD.WHEN BAND CONDITIONS IMPROVE OR INTERFERENCE SUDSIDES,G-TOR AGAIN OPERATES AT 300 BAUD.

ONCE DATA IS RECEIVED AND REARRANGED (DE-INTERLEAVED),G-TOR USES 16-BIT CRC ERROR DETECTION WITH A HYBRID ARQ SCHEME TO DETECT AND CORRECT ERRORS IN TRANSMISSION.THE CRC CODE IS CALCULATED BY THE RECEIVING STATION,AND THIS CODE MUST MATCH THE CRC CODE THAT IS TRANSMITTED WITH THE ORIGINAL DATA.IF THE CRC CODES DO NOT MATCH,INDICATING THAT ERRORS HAVE OCCURRED,THE HYBRID ARQ SYSTEM REQUESTS TRANSMISSION OF THE CORRECTION BITS.THESE ARE THEN COMBINED WITH THE DAMAGED DATA BITS IN AN ATTEMPT TO RECOVER THE ORIGINAL DATA.THE GOLAY ERROR CORRECTION CODING CAN CORRECT 3 OUT OF 12 TRANSFERRED DATA BITS,AND DAMAGED INFORMATION IS MOST OFTEN QUICKLY AND ACCURATELY RESTORED WITHOUT REQUIRING RE-TRANSMISSION.

THE G-TOR MODE MAY BE USED IN A VARIETY OF APPLICATIONS INCLUDING "MARS" AND PORTABLE OPERATION,SINCE THE G-TOR PROTOCOL PERMITS UP TO 10 CHARACTERS FOR A CALLSIGN,ALLOWING "MARS" CALLS OR SPECIAL IDENTIFIERS.

DO YOU LISTEN TO THIS BROADCAST? DO YOU ENTER ANARTS CONTEST? WHY NOT SUPPORT ANARTS EFFORTS TO BRING DX TO ALL THE AMATEURS IN AUSTRALASIA.

jOIN THE SOCIETY AND BE PART OF THIS. COST IS ONLY TEN DOLLARS AND YOU WILL BE ASSISTING IN BRINGING DX NEWS AND OTHER TECHNICAL ITEMS TO ALL. SEND TO: ANARTS, PO BOX 860 CROWS NEST NSW AUSTRALIA 2065.

WEEKLY SOLAR AND GEOPHYSICAL REPORT

(31 MAY - 06 JUNE)

ISSUED ON 07 JUNE 1996

SUMMARY

Date	31	01	02	03	04	05	06
10cm	68	68	68	69	69	71	72
A	8	5	5	4	7	7 (20 ESTIMATED)	
T	7	4	9	4	5	3	6

SOLAR ACTIVITY WAS VERY LOW DURING THE PERIOD.

THE GEOMAGNETIC FIELD AT LEARMONTH W.A. WAS QUIET ON 31ST MAY, 2ND TO 5TH JUNE, QUIET TO UNSETTLED ON 1ST, AND UNSETTLED ON 6TH.

MAXIMUM USABLE FREQUENCIES AT SYDNEY WERE NEAR PREDICTED VALUES ALL WEEK. SPREAD F WAS OBSERVED DURING LOCAL NIGHT ON 5TH JUNE.

FORECAST (07 JUNE - 13 JUNE)

SOLAR: VERY LOW

GEOMAGNETIC: MAINLY QUIET WITH THE CDHANCE OF SOME MILD ACTIVITY

FREQUENCIES: NEAR PREDICTED MONTHLY VALUES

COURTESY OF IPS RADIO AND SPACE SERVICES

ARLD027 DX NEWS

THIS WEEK'S BULLETIN WAS MADE POSSIBLE WITH INFO PROVIDED BY TEDD, KKKPNW, THE OPDX BULLETIN,'AND CONTEST CORRAL FROM QST. THANKS TO ALL.

LIBYA, 5A. 5A1A OPERATIONS BY UKRAINIANS AND LIBYAN NATIONALS HAVE BEEN APPROVED FOR DXCC.

GREENLAND, OX. ATTENTION 6 METER OPS. PETER, OX3XR, IS ACTIVE ON 50.110 MHZ RUNNING 60 WATTS TO A YAGI. HE IS LOCATED IN NUUK, GRID SQUARE GP44DD.

DODECANESE, SV5. MANFRED, DL8SET, WILL SIGN SV5/DL8SET FROM RHODES JUNE 6 TO 20 ON BOTH HF AND 6 METERS. QSL DIRECT OR VIA THE BUREAU TO DL8SET.

SOUTHERN COOK ISLANDS, ZK1. BRUCE, AA8U, STAN, K8MJZ, AND MARILYN, AG8W, WILL BE ACTIVE FROM RAROTONGA JULY 11 TO 21. THEY WILL SIGN ZK1AAU IN THE IARU CONTEST, AND ZK1MJZ AND ZK1AGW OUTSIDE OF CONTEST HOURS. QSL TO AA8U.

MARION ISLAND, ZS8. A FEW REPORTS INDICATE THAT CHRIS, ZS8IR,

HAS BEEN ACTIVE. ON MAY 21ST, HE WAS REPORTED ACTIVE ON 3799 KHZ AROUND 1345Z AND 2100Z. ON MAY 18TH, HE WAS HEARD ON 14195 KHZ AROUND 0700Z. HE WILL BE THERE UNTIL JUNE, 1997.

LIECHTENSTEIN, HB0. FROM JULY 14 TO 27, DL1JBN, DL3JSW AND DK5YY WILL BE ACTIVE ON HF, WHILE DG0JAG, DG0JS AND DG0OKA WILL DO VHF AND SATELLITES. VHF AND SATELLITES WILL BE THE MAIN EFFORT THE FIRST WEEK WITH CONCENTRATION ON HF THE SECOND WEEK.

MONACO, 3A. RALF, DL3JSW, OF THE HB0 TEAM MENTIONED EARLIER, WILL TRAVEL HERE JULY 14, AND WILL TRY TO OBTAIN LICENSES FOR BOTH 3A AND SEBORGA.

BAHAMAS, C6. ROBERT, K4MQG, WILLIAM, AA4R, AND TED, WA4VCC, WILL BE ON GRAND BAHAMA ISLAND JUNE 7 TO 14, AND ACTIVE ON 6 AND 2 METERS, 70 CM AND HF. THEIR STATION, WITH ANTENNAS ATOP A 3-STORY BUILDING LOCATED ON THE OCEAN SHO E, WILL BE VERY ACTIVE DURING THE ARRL VHF CONTEST JUNE 8, 9 AND 10. THEIR GRID SQUARE, FL06, HAS NOT BEEN UP ON VHF FOR SOMETIME.

THE OHIO/PENN DX PACKETCLUSTER
DX BULLETIN NO. 254
EXCERPTS

THANKS TO THE NORTHERN OHIO AMATEUR RADIO SOCIETY, NORTHERN OHIO DX ASSOCIATION, OHIO/PENN PACKETCLUSTER NETWORK, N6EK, N8AC, W9JOO, AH0W/OH2LVG, DF4RD, DL7VOA, DL9GOA DX NEWS LETTER, F6AJA, G4BUE DX NEWS SHEET, GM4FDM, HS0/G3NOM, PA3ERL, PA0GAM/YB3AQE AND SM0OEK FOR THE FOLLOWING DX INFORMATION.

6Y, JAMAICA. THEO, PA3ERL, WILL BE ACTIVE AS PA3ERL/6Y5 FROM JUNE

13-29TH. HIS PLANS FOR BAND ACTIVITY AND OPERATIONS WERE NOT RECEIVED. QSL VIA PA3ERL.

9L, SIERRA LEONE. BALDUR, DJ6SI, IS CURRENTLY ACTIVE AS 9L/DJ6SI. HIS LENGTH OF STAY IN UNKNOWN AT THIS TIME. HE GENERALLY OPERATES MAINLY CW BUT HAS BEEN HEARD ON SSB. ACTIVITY SHOULD BE ON ALL BANDS, ESPECIALLY WATCH THE WARC BANDS.

9M0, SPRATLY ISLANDS. JAAN, SM0OEK, CURRENTLY ACTIVE AS 9M2JJ IN MALAYSIA, IS THINKING ABOUT GOING TO PULAU LAYANG LAYANG (WHICH IS ONE OF THE ISLANDS IN THE SPRATLYS). PLANNING IS IN THE EARLY STAGES AND JAAN IS SOLICITING HELP FROM LOCAL HAMS IN MALAYSIA AND ANYONE THAT CAN PROVIDE INFORMATION TO GET THIS DXPEDITION AFOOT. JAAN CAN BE CONTACTED VIA INTERNET: SM0OEK(AT)PC.JARING.MY

BRITISH AMATEUR RADIO TELEDATA GROUP (BARTG/GB2ATG) NEWS BULLETIN WOULD LIKE TO REMIND EVERYONE THAT THE A.N.A.R.T.S. WW RTTY CONTEST STARTS 0000Z SATURDAY JUNE 8TH UNTIL 2400 SUNDAY JUNE 9, 1996 (SECOND FULL WEEKEND IN JUNE EACH YEAR.). BANDS TO BE USED ARE 80, 40, 20 15 AND 10 METRES. MODES TO BE USED ARE ALL DIGITAL MODES PERMITTED (RTTY, AMTOR, FEC, PKT, PACTOR). NOTE? NO SATELLITE OPERATION PERMITTED.

IOTA NEWS... TOM, GM4FDM, REPORTS THAT HE AND GM3NIG, GM3UTQ, GM4YMA AND GM3COB HOPE TO ACTIVATE IOTA EU-111 FROM THE MONACH

ISLANDS SOMETIME IN EARLY JUNE. THIS IOTA GROUP HAS NOT BEEN ACTIVATED SINCE 1988/89, AND IT SHOULD BE QUITE SOUGHT AFTER. THE CALLSIGN AS OF YET IS UNKNOWN, BUT THEY MIGHT USE GM5VG/P. QSLS VIA THE BUREAU OR DIRECT WITH SUFFICIENT RETURN POSTAGE TO GM3UTQ.

DIDIER, F6ELE, AND BERTRAND, F6HKA WILL BE ACTIVE FROM MOLENE ISLAND IOTA EU-65 (LOCATED IN THE BRETAGNE -FINISTERE WEST-REGION GROUP) JULY 25 TO 29TH.

OH0 ? OI0, ALAND ISLANDS. HADI, DJ2PJ, AND PETER, DL5FF, WILL BE ACTIVE AS OH0JWH AND OH0JWL, RESPECTIVELY, FOR THE SECOND TIME AGAIN FROM OEVERBY ON THE ALAND ISLANDS (JP90TF). THEIR ACTIVITY WILL BE FROM JUNE 7-14TH. THEY WILL BE ACCOMPANIED BY RAINER (OH0/DL1ZBO) AND KARL (OH0/DL4FAN). OPERATIONS WILL INCLUDE ALL HF BANDS AND 50 MHZ ON CW,

RTTY (ANARTS CONTEST) AND SSB. HADI WILL SIGN OI0JWH CW AND SSB ON 6 METERS (50.210 MHZ, WORKING SPLIT IF NECESSARY). QSLS FOR OH0JWH AND OI0JWH GO VIA DJ2PJ, OH0JWL AND OI0JWL VIA DL5FF AND THE OTHERS TO THEIR HOME CALLS. FOR SCHEDULED CONTACTS, HADI CAN BE CONTACTED ON PACKET RADIO: DJ2PJ?DB0GV.?HES.DEU.EU OR INTERNET E-MAIL: DJ2PJ?T-ONLINE.DE

YB3OSE QSLS. BOB, W7TSQ, (QSL MANAGER FOR YB3OSE) REPORTS HE HAS RECEIVED THE LOGS COVERING APRIL, 1995, THROUGH MARCH, 1996, (AND APRIL, 1996, IS IN THE MAIL) FROM ACHMAD, YB3OSE. ALL OUTSTANDING CARDS WILL BE IN THE MAIL SOON.

COMING EVENTS

JUNE	8TH-9TH	ANARTS WW DIGITAL CONTEST

Society information

The Society may be contacted at : PO Box 860, Crows Nest 2065 Australia, for such matters as membership and general enquiries. Enquiries can also be made by packet to the President(Col) VK2CTD at VK2DAA, or the Secretary (Pat) VK2JPA at VK2WI.

News items may be sent to Broadcast Officer PO Box 60 Blacktown 2148 Australia, or fax to (02) 672-3392, or by packet to VK2JPA at VK2WI.

Email address for the Broadcast Officer is :

patl(at)pitt.conmusic.su.oz.au
or patl(at)extro.ucc.su.oz.au

Email address for the President is :

colin.davies(at)dse.com.au

73s de Pat VK2JPA Broadcast Officer

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Dave Horsfall (VK2KFU) | dave@esi.com.au | VK2KFU @ VK2DAA.NSW.AUS.OC | PGP 2.6

Opinions expressed are mine. | D8 15 71 F9 26 C8 63 40 5E 63 5C 65 FC A0 22 99